



October 27, 2016  
FedEx  
(505) 767-5625

Regan Eyerman  
City of Albuquerque  
Environmental Health Department  
Air Quality Permits  
One Civic Plaza  
Room 3023  
Albuquerque, NM 87103

RE: **Air Quality Permit Modification**  
Costco Gasoline – Dispenser Replacement and Stage II Decommissioning  
9955 Coors Bypass N.W., Albuquerque, New Mexico 87114  
Costco Loc. No. 1016 / Our Job No. 12735 (6213.19)

Dear Regan:

Pursuant to our telephone conversation, the enclosed application materials are for your review of the upcoming dispenser replacement and Stage II Decommissioning to be conducted at the existing Costco Gasoline fueling facility referenced above.

The dispensers must be replaced in order to comply with the mandated EMV smart chip requirement and since your agency does not require the use of Stage II Vapor Recovery equipment, it will be removed as well. The replacement is scheduled to start as soon as November 18, 2016.

Costco Wholesale requests that the throughput limit for this facility remain at 10,500,000 gallons per year.

The following items are enclosed for your review:

1. One (1) completed City of Albuquerque Permit Application Review Fee Checklist
2. One (1) Application for Source Registration and Authority to Construct Permits for Fuel Dispensing Stations Located in Bernalillo County, which includes:
  - a. Site Location exhibit
  - b. Vicinity Map exhibit
  - c. Plot Plan exhibit
3. One (1) complete Notice of Intent to Construct form including Emissions Calculations
4. One (1) Gilbarco installation manual for their Encore 700S Series Model NG4 dispenser
5. One (1) Barghausen Consulting Engineers, Inc. check made payable to the City of Albuquerque Fund 242 in the amount of \$5,985

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Costco Wholesale will be using a licensed contractor trained and familiar with this equipment, who will refer to the enclosed Gilbarco installation manual for guidance through the equipment installation. The scope of work for a dispenser replacement with Stage II Decommissioning is as follows (the Gilbarco manual provides specific details):

- Remove the existing Stage II Gilbarco two-product dispensers.
- Install new non-Stage II Gilbarco Encore 700S Series Model NG4 two-product dispensers on the existing islands.
- Install new non-Stage II hoses, nozzles, and breakaway valves.
- Perform any and all purging, regulatory testing, and calibration on the newly-installed dispensers.
- Extend the existing dedicated power for the Ethernet disconnect. (The Ethernet disconnect is to be completed under a separate permit.)
- Disconnect and reconnect the power, data, CRIND, and controls.
- Relieve pressure in the tank ullage.
- Seal off the below-grade vapor piping at a height below the level of the base of the dispenser.
- Conduct a final visual check.
- Complete the decommissioning checklist.

Should you have any questions or require additional information in order for Costco Wholesale to proceed with this dispenser replacement, please let us know immediately so that we can plan accordingly. I can be contacted at [ainigues@barghausen.com](mailto:ainigues@barghausen.com) or at (425) 251-6222. Thank you.

Respectfully,



M. Alexia Inigues  
Project Planner

MAI/hd/dm  
12735c.027.doc  
enc: As Noted  
cc: Dwight Larsen, Costco Wholesale (Costco Google Drive)  
Jay S. Grubb, Barghausen Consulting Engineers, Inc.  
Chris S. Ferko, Barghausen Consulting Engineers, Inc.





**CITY OF ALBUQUERQUE  
ENVIRONMENTAL HEALTH DEPARTMENT  
AIR QUALITY PROGRAM**



Please mail this application to **P.O. Box 1293, Albuquerque, NM 87103**  
or hand deliver between 8:00am - 5:00pm Monday - Friday to:  
**3<sup>rd</sup> Floor, Suite 3023 - One Civic Plaza NW, Albuquerque, New Mexico 87103**  
**(505) 768 - 1972 [agd@cabq.gov](mailto:agd@cabq.gov) (505) 768 - 1977 (Fax)**

**APPLICATION FOR SOURCE REGISTRATION AND AUTHORITY-TO-CONSTRUCT PERMITS FOR  
FUEL DISPENSING STATIONS LOCATED IN BERNALILLO COUNTY (20.11.40 NMAC & 20.11.41 NMAC)**

**Notice of initial application fee and subsequent annual permit fees will be sent to the Company (20.11.02 NMAC).**

**Section 1: General Information:**

Date Submitted: October 17, 2016

1. Name of Company: Costco Wholesale Company Ph: ( 425 ) 313 - 8100
2. Company Address: P.O. Box 35005, Seattle, WA Zip 98124-3405
3. Local Office Address: 9955 Coors Boulevard Bypass N.W., Albuquerque, NM Zip 87114
4. Person to Contact: Dwight Larsen Title: Gas Operations Manager  
Ph: 425-313-8100 Email: dlarsen@costco.com
5. Location of the station: 9955 Coors Boulevard Bypass N.W., Albuquerque, NM Zip 87114  
**(Please provide a detailed hand drawing, site plan or survey of the property)**
6. UTM coordinates: east 347,038.03 north 3,784,974.51 (if available)
7. Is this a proposed (new) station? Yes ☐ No ☒  
If no, give original date of startup: Month 11 Day 28 Year 2007
8. Date of (anticipated - new) startup: Month            Day            Year
9. Normal or requested operating hours: hrs/day 10.5 days/wk 7 mos/yr 12

**Section 2: Storage Tanks -- List all tanks that will contain any hydrocarbon liquid**

Individual Tank Information	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Type of fuel stored (reg. unl., super unl., diesel, etc.)	existing no change regular unleaded	existing no change regular unleaded	existing no change regular unleaded	existing no change ultrazol 9888	
Location (aboveground or underground)	underground	underground	underground	underground	
Tank Construction (steel, fiberglass, both)	fiberglass	fiberglass	fiberglass	fiberglass	
Cathodic Protection (Yes or No)	yes	yes	yes	yes	
Storage Capacity (In Gallons)	30,000	30,000	30,000	1,500	
Date of installation or proposed installation (month/year)	11/2007	11/2007	11/2007	4/2012	

APPLICATION FOR SOURCE REGISTRATION AND CONSTRUCTION PERMITS FOR  
FUEL DISPENSING STATIONS LOCATED WITHIN BERNALILLO COUNTY



**Section 3: Submersible Pumps FOR GASOLINE ONLY**

(If possible, match pump number to tank number from Section 2 Table)

**Section 4: Fuel Throughput**

Individual Submersible Pump Information  FOR GASOLINE(S)	Gasoline Submersible Pump Rating (In gallons/hour)  (use 600 per pump if unknown)	Type of Fuel Dispensed from Submersible Pump  (Reg. unl., super unl., unl. plus, etc.)	Date of Pump Installation  (Month/Year if known)	TOTAL REQUESTED ANNUAL FUEL THROUGHPUT LIMIT IN GALLONS PER YEAR	
				GASOLINE(S)	ultrazol 9888 <del>DIESEL</del>
Pump 1	3,425 max	REG. UNL.	11/2007	10,500,000 gallons	3,906 gallons
Pump 2	3,425 max	REG. UNL.	11/2007		
Pump 3	3,425 max	REG. UNL.	11/2007		
Pump 4	600	ultrazol 9888	4/2012		
Pump 5					
Total of pumps 1 - 5 gallons/hour	10,875				

**Section 5: Potential Emissions FOR GASOLINE(S) ONLY**

Total Submersible Pump Rating In Gallons/Hour, For Gasoline(s) Only, From Section 3 Table Above (Second Column Total)	T I M E S	Emission Rate	T I M E S	Theoretical Potential Operating Hours  (Given) (12 hours/day & 365 days/year)	D I V I D E	Pounds Per Ton  (Given)	E Q U A L S	Potential Tons Per Year of Volatile Organic Compounds (VOC)
10,875 gallons/hour	X	0.013 pounds/gallon	X	4,380 hours/year	/	2,000	=	309.612

**Section 6: Actual Emissions FOR GASOLINE(S) ONLY**

Requested Annual Fuel Throughput of Gasoline(s) From Section 4 Table Above	T I M E S	Emission Rate	D I V I D E	Pounds Per Ton  (Given)	E Q U A L S	Allowable Tons Per Year of Volatile Organic Compounds (VOC)
10,503,906 Gallons	X	0.013 pounds/gallon	/	2,000	=	68.275

**Section 7: Certification:**

I, the undersigned, a responsible officer of the applicant company, certify that to the best of my knowledge, the information stated on this application, together with associated drawings, specifications, and other data, give a true and complete representation of the planned new station or modifications to an existing station with respect to air pollution sources and control equipment. I also understand that any significant omissions, errors, or misrepresentations in these data will be cause for revocation of part or all of the resulting permit.

Printed Name: Dwight Larsen

Title: Gas Operations Manager

Signature: Dwight Larsen

Date: 10/27/2016



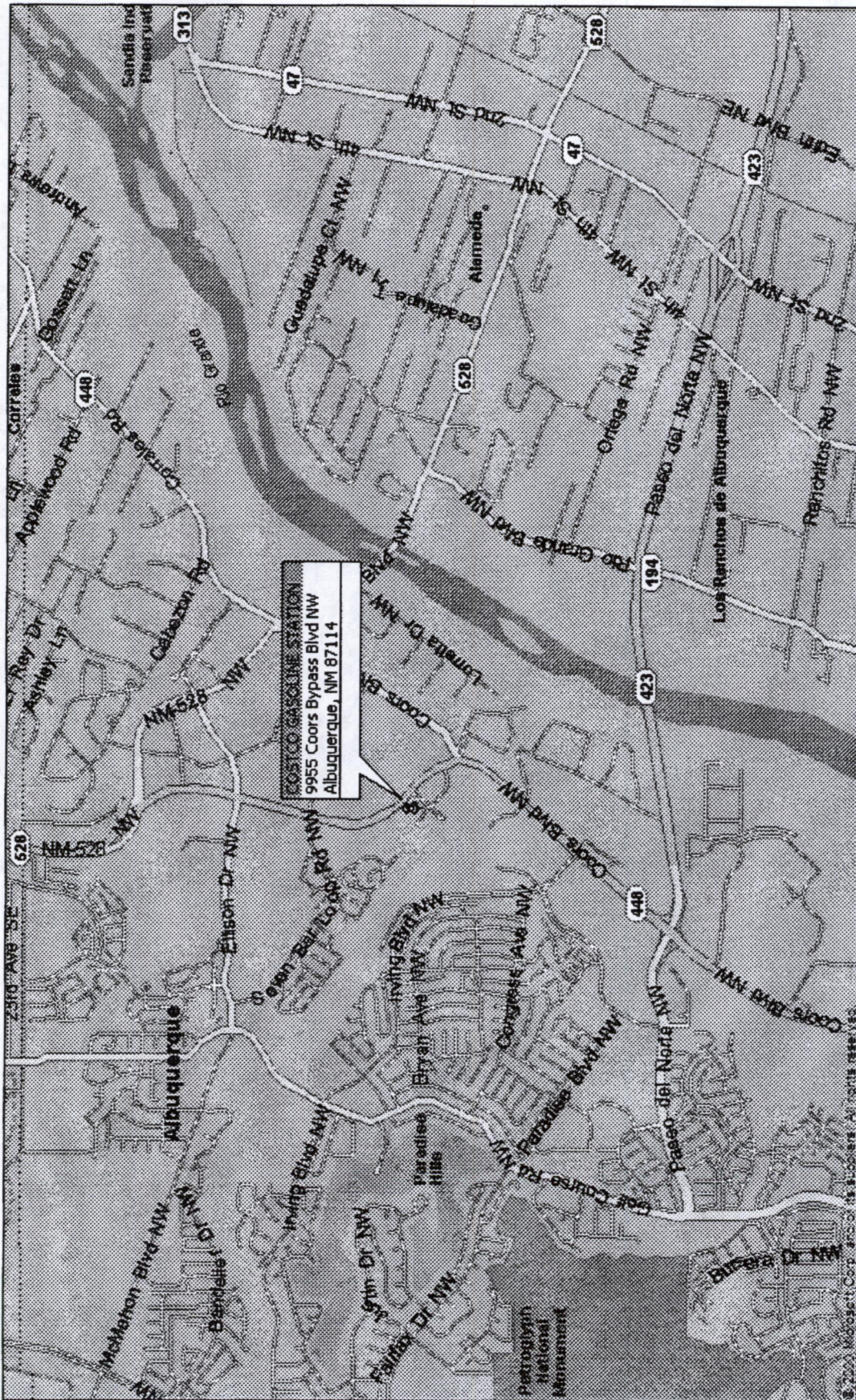


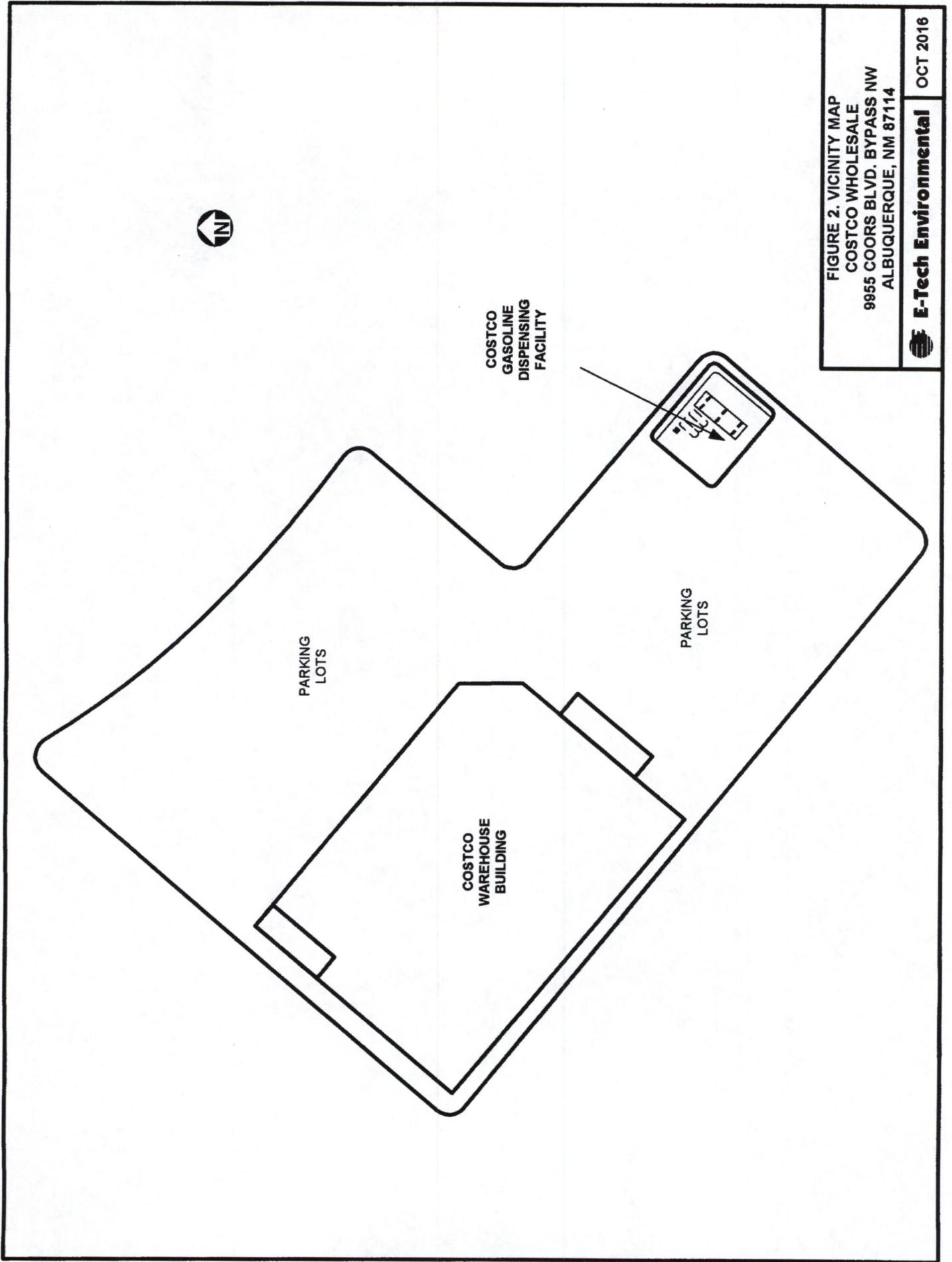
FIGURE 1. SITE LOCATION  
COSTCO WHOLESALE  
9955 COORS BLVD. BYPASS NW  
ALBUQUERQUE, NM 87114



**E-Tech Environmental**

OCT 2016







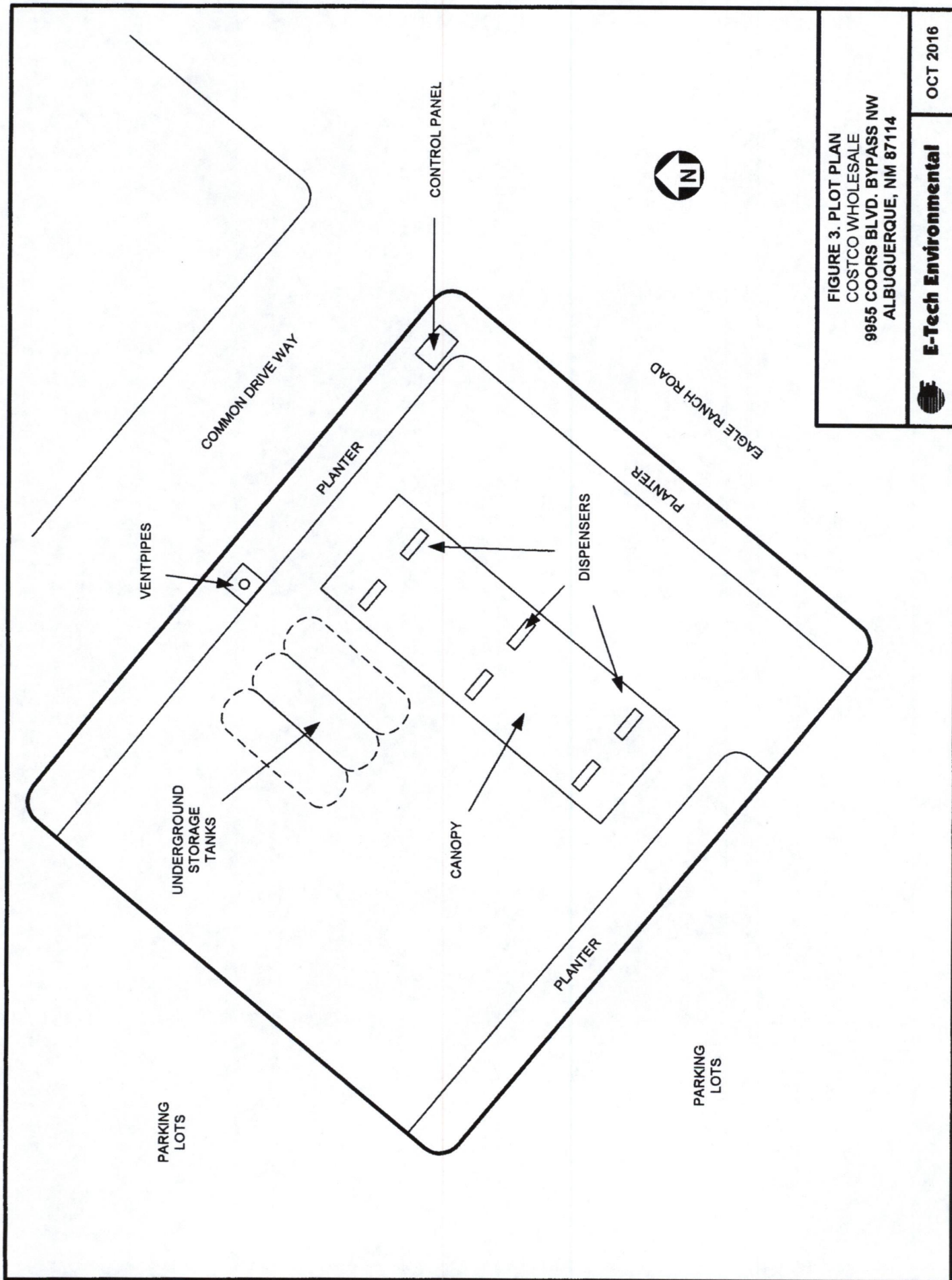


FIGURE 3. PLOT PLAN  
COSTCO WHOLESALE  
9855 COORS BLVD. BYPASS NW  
ALBUQUERQUE, NM 87114

**E-Tech Environmental**

OCT 2016





# Notice of Intent to Construct

Under 20.11.41.13B NMAC, the owner/operator is required to provide public notice by certified mail or electronic mail to the designated representative(s) of the recognized neighborhood associations and recognized coalitions that are with-in one-half mile of the exterior boundaries of the property on which the source is or is proposed to be located if they propose to construct or establish a new facility or make modifications to an existing facility that is subject to 20.11.41 NMAC – Construction Permits. **A copy of this form must be included with the application.**

Applicant's Name and Address: Costco Wholesale, P.O. Box 35005, Seattle, WA 98124

Owner / Operator's Name and Address: Dwight Larsen

Actual or Estimated Date the Application will be submitted to the Department: October 19, 2016

Exact Location of the Source or Proposed Source: 9955 Coors Boulevard Bypass N.W., Albuquerque, NM 87114

Description of the Source: Retail Gasoline Fueling Facility for Costco Club Members

Nature of the Business: Retail gasoline sales to club members

Process or Change for which the permit is requested: replace existing dispensers and decommission the Stage II Vapor Recovery

Preliminary Estimate of the Maximum Quantities of each regulated air contaminant the source will emit:

## Net Changes In Emissions

### Initial Construction Permit

(Only for permit Modifications or Technical Revisions)

	Pounds Per Hour (lbs/hr)	Tons Per Year (tpy)		lbs/hr	tpy	Estimated Total TPY
CO			CO	+/-	+/-	
NOx			NOx	+/-	+/-	
SO2			SO2	+/-	+/-	
VOC	26.53	68.275	VOC	+/-	-0.025	68.250
TSP			TSP	+/-	+/-	
PM10			PM10	+/-	+/-	
PM2.5			PM2.5	+/-	+/-	
VHAP	0.010700	0.02754	VHAP	+/-	-0.00001	0.02753

Maximum Operating Schedule: M-F 6am-9pm; Sat. and Sun. 7am-7pm (5,148 hours/year)

Normal Operating Schedule: M-F 6am-9pm; Sat. and Sun. 7am-7pm (5,076 hours/year)  
Closed during six holidays per year.

Current Contact Information for Comments and Inquires:

Name: Dwight Larsen  
Address: P.O. Box 35005, Seattle, WA 98124  
Phone Number: (425) 313-8100  
E-Mail Address: dlarsen@costco.com

Ver.11/13

City of Albuquerque- Environmental Health Department  
Air Quality Program- Permitting Section  
Phone: (505) 768-1972 Email: aqd@cabq.gov

Doc ID: b926e60885ac16013a088a106c7083dc3e21b90b



If you have any comments about the construction or operation of the above facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to the address below:

Environmental Health Manager

Stationary Source Permitting

Albuquerque Environmental Health Department

Air Quality Program

PO Box 1293

Albuquerque, New Mexico 87103

(505) 768-1972

Other comments and questions may be submitted verbally.

Please refer to the company name and facility name, as used in this notice or send a copy of this notice along with your comments, since the Department may not have received the permit application at the time of this notice. Please include a legible mailing address with your comments. Once the Department has performed a preliminary review of the application and its air quality impacts, if required, the Department's notice will be published in the legal section of the Albuquerque Journal and mailed to neighborhood associations and neighborhood coalitions near the facility location or near the facility proposed location.

**Table 1. Emissions - Calculation Basis per Million Gallons**

Gasoline (VOC Emissions) *	lb/gallon	lb/million gal		
Total VOC emissions	0.013	13,000		
Air Toxics in Gasoline, % **		Benzene	Ethylbenzene	Naphthalene
Loading emissions (vapor)		0.30%	0.118%	0.00%
Breathing emissions (vapor)		0.30%	0.118%	0.00%
Refueling emissions (vapor)		0.30%	0.118%	0.00%
Spillage emissions (liquid)		1.00%	1.640%	0.14%
		1.90%	1.994%	0.14%
VHAP in Gasoline, per million gal		Benzene	Ethylbenzene	Naphthalene
Total VHAP emissions, lb/million gal		2.4700	2.5922	0.1820

\* Sources: Albuquerque Environmental Health Department, Air Quality Program

\*\* Sources: California EPA, Air Resources Board

**Table 2. Emissions - Calculation Basis per Permit Throughput**

	Initial Construction Permit		After Modifications	
Gasoline throughput basis	10,503,906	gallons	10,500,000	gallons
Maximum operating hours	5,148	hour/yr	5,148	hour/yr
	ton/year	lb/hour	ton/year	lb/hour
Total VOC emissions	68.275	26.53	68.250	26.52
Total VHAP emissions	0.02754	0.010700	0.02753	0.010696

**Table 3. Net Changes in Emissions**

	ton/year	lb/hour
Total VOC emissions	-0.025	-0.01
Total VHAP emissions	-0.00001	-0.000004





# City of Albuquerque

## Environmental Health Department

### Air Quality Program

BCE #12735



### Permit Application Review Fee Instructions

All source registration, authority-to-construct, and operating permit applications for stationary or portable sources shall be charged an application review fee according to the fee schedule in 20.11.2 NMAC. These filing fees are required for both new construction, reconstruction, and permit modifications applications. Qualified small businesses as defined in 20.11.2 NMAC may be eligible to pay one-half of the application review fees and 100% of all applicable federal program review fees.

Please fill out the permit application review fee checklist and submit with a check or money order payable to the "City of Albuquerque Fund 242" and either:

1. be delivered in person to the Albuquerque Environmental Health Department, 3<sup>rd</sup> floor, Suite 3023 or Suite 3027, Albuquerque-Bernalillo County Government Center, south building, One Civic Plaza NW, Albuquerque, NM or,
2. mailed to Attn: Air Quality Program, Albuquerque Environmental Health Department, P.O. Box 1293, Albuquerque, NM 87103.

The department will provide a receipt of payment to the applicant. The person delivering or filing a submittal shall attach a copy of the receipt of payment to the submittal as proof of payment. Application review fees shall not be refunded without the written approval of the manager. If a refund is requested, a reasonable professional service fee to cover the costs of staff time involved in processing such requests shall be assessed. Please refer to 20.11.2 NMAC (effective January 10, 2011) for more detail concerning the "Fees" regulation as this checklist does not relieve the applicant from any applicable requirement of the regulation.





# City of Albuquerque

## Environmental Health Department

### Air Quality Program

### Permit Application Review Fee Checklist



Please completely fill out the information in each section. Incompleteness of this checklist may result in the Albuquerque Environmental Health Department not accepting the application review fees. If you should have any questions concerning this checklist, please call 768-1972.

#### I. COMPANY INFORMATION:

Company Name	COSTCO WHOLESALE		
Company Address	P.O. BOX 35005, SEATTLE, WA 98124-3405		
Facility Name	COSTCO GASOLINE (LOC. NO. 1016)		
Facility Address	9955 COORS BOULEVARD BYPASS N.W., ALBUQUERQUE, NM 87114		
Contact Person	DWIGHT LARSEN		
Contact Person Phone Number	425-313-8100		
Are these application review fees for an existing permitted source located within the City of Albuquerque or Bernalillo County?	Yes	No	
If yes, what is the permit number associated with this modification?	Permit # NM/001/01106		
Is this application review fee for a Qualified Small Business as defined in 20.11.2 NMAC? (See Definition of Qualified Small Business on Page 4)	Yes	No	

#### II. STATIONARY SOURCE APPLICATION REVIEW FEES:

If the application is for a new stationary source facility, please check all that apply. If this application is for a modification to an existing permit please see Section III.

Check All That Apply	Stationary Sources	Review Fee	Program Element
<b>Stationary Source Review Fees (Not Based on Proposed Allowable Emission Rate)</b>			
	Source Registration required by 20.11.40 NMAC	\$ 544.00	2401
	A Stationary Source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$ 1,088.00	2301
	Not Applicable	See Sections Below	
<b>Stationary Source Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)</b>			
	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$ 816.00	2302
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$ 1,632.00	2303
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$ 3,265.00	2304
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$ 4,897.00	2305
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$ 6,530.00	2306
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$8,162.00	2307
	Not Applicable	See Section Above	
<b>Federal Program Review Fees (In addition to the Stationary Source Application Review Fees above)</b>			
	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$ 1,088.00	2308
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$ 1,088.00	2309
	40 CFR 63 - (NESHAPs) Promulgated Standards	\$ 1,088.00	2310
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$ 10,883.00	2311
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$ 5,442.00	2312
	20.11.60 NMAC, Non-Attainment Area Permit	\$ 5,442.00	2313
	Not Applicable	Not Applicable	



### III. MODIFICATION TO EXISTING PERMIT APPLICATION REVIEW FEES:

If the permit application is for a modification to an existing permit, please check all that apply. If this application is for a new stationary source facility, please see Section II.

Check All That Apply	Modifications	Review Fee	Program Element
<b>Modification Application Review Fees (Not Based on Proposed Allowable Emission Rate)</b>			
	Proposed modification to an existing stationary source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$ 1,088.00	2321
	<i>Not Applicable</i>	<i>See Sections Below</i>	
<b>Modification Application Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)</b>			
	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$ 816.00	2322
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$ 1,632.00	2323
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$ 3,265.00	2324
X	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	<u>\$ 4,897.00</u>	2325
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$ 6,530.00	2326
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$8,162.00	2327
	<i>Not Applicable</i>	<i>See Section Above</i>	
<b>Major Modifications Review Fees (In addition to the Modification Application Review Fees above)</b>			
	20.11.60 NMAC, Permitting in Non-Attainment Areas	\$ 5,442.00	2333
	20.11.61 NMAC, Prevention of Significant Deterioration	\$ 5,442.00	2334
	<i>Not Applicable</i>	<i>Not Applicable</i>	
<b>Federal Program Review Fees (This section applies only if a Federal Program Review is triggered by the proposed modification) (These fees are in addition to the Modification and Major Modification Application Review Fees above)</b>			
	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$ 1,088.00	2328
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$ 1,088.00	2329
X	40 CFR 63 - (NESHAPs) Promulgated Standards	<u>\$ 1,088.00</u>	2330
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$ 10,883.00	2331
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$ 5,442.00	2332
	20.11.60 NMAC, Non-Attainment Area Permit	\$ 5,442.00	2333
	<i>Not Applicable</i>	<i>Not Applicable</i>	

### IV. ADMINISTRATIVE AND TECHNICAL REVISION APPLICATION REVIEW FEES:

If the permit application is for an administrative or technical revision of an existing permit issued pursuant to 20.11.41 NMAC, please check one that applies.

Check One	Revision Type	Review Fee	Program Element
	Administrative Revisions	\$ 250.00	2340
	Technical Revisions	\$ 500.00	2341
	<i>Not Applicable</i>	<i>See Sections II, III or V</i>	



**V. PORTABLE STATIONARY SOURCE RELOCATION FEES:**

If the permit application is for a portable stationary source relocation of an existing permit, please check one that applies.

Check One	Portable Stationary Source Relocation Type	Review Fee	Program Element
	No New Air Dispersion Modeling Required	\$ 500.00	2501
	New Air Dispersion Modeling Required	\$ 750.00	2502
	<i>Not Applicable</i>	See Sections II, III or V	

**VI. Please submit a check or money order in the amount shown for the total application review fee.**

Section Totals	Review Fee Amount
Section II Total	\$ 0.00
Section III Total	\$ 5,985.00
Section IV Total	\$ 0.00
Section V Total	\$ 0.00
<b>Total Application Review Fee</b>	<b>\$ 5,985.00</b>

I, the undersigned, a responsible official of the applicant company, certify that to the best of my knowledge, the information stated on this checklist, give a true and complete representation of the permit application review fees which are being submitted. I also understand that an incorrect submittal of permit application reviews may cause an incompleteness determination of the submitted permit application and that the balance of the appropriate permit application review fees shall be paid in full prior to further processing of the application.

Signed this 27th day of October 20 16

Dwight Larsen  
Print Name

Gas Operations Manager  
Print Title

Dwight Larsen

Signature

**Definition of Qualified Small Business** as defined in 20.11.2 NMAC:

"Qualified small business" means a business that meets all of the following requirements:

- (1) a business that has 100 or fewer employees;
- (2) a small business concern as defined by the federal Small Business Act;
- (3) a source that emits less than 50 tons per year of any individual regulated air pollutant, or less than 75 tons per year of all regulated air pollutants combined; and
- (4) a source that is not a major source or major stationary source.

**Note:** Beginning January 1, 2011, and every January 1 thereafter, an increase based on the consumer price index shall be added to the application review fees. The application review fees established in Subsection A through D of 20.11.2.18 NMAC shall be adjusted by an amount equal to the increase in the consumer price index for the immediately-preceding year. Application review fee adjustments equal to or greater than fifty cents (\$0.50) shall be rounded up to the next highest whole dollar. Application review fee adjustments totaling less than fifty cents (\$0.50) shall be rounded down to the next lowest whole dollar. The department shall post the application review fees on the city of Albuquerque environmental health department air quality program website.